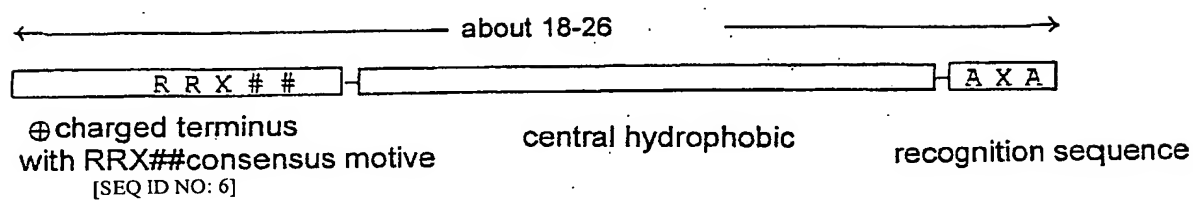


REPLACEMENT SHEET

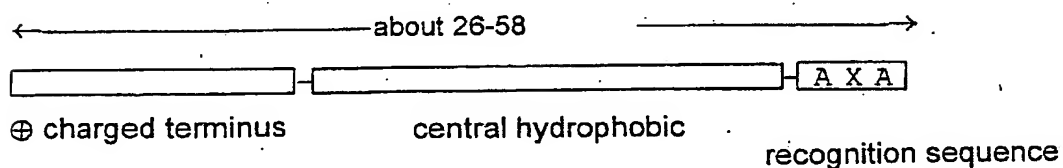
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Fig. 1

Tat dependent signal sequence



Sec, YidC and SRP dependent signal sequence



REPLACEMENT SHEET

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Fig. 2

M N N N D L F Q A R R R F A Q L G G L T
 ATGAACA ATAACGATCT CTTTCAGGCA TCACGTCTCTGGC ACAACTCGGC [SEQ ID NO: 8]
 TACTTGT TATTGCTAGA GAAAGTCCGT AGTGCAGACACCG TGTTGAGCCG [SEQ ID NO: 9]

R R X # #

⊕ charged N-terminus RRX##consensus motive central hydrophobic
 [SEQ ID NO: 6]

V A G M L G P S L L T R R A T A [SEQ ID NO: 7]
 GTGCGGGGAT GCTGGGGGCGATTGTTAA CGCCGCGACG [SEQ ID NO: 10]
 CACGCGCCTA CGACCCCGGC AGTAACAATCGCTGC [SEQ ID NO: 11]

A X A

central hydrophobic

leader peptidase
 recognition sequence